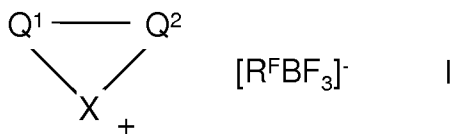


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Compound A~~ Compound A of the formula IIa



in which

X denotes ~~NR¹~~ or N(R¹)₂,

-Q¹-Q²- denotes -CHR³-CHR⁴-CHR⁵-CHR⁶,

~~-CR²=CR³-CR⁴=CR⁵-CR⁶= or~~

~~---CR⁷=CR⁸-NR¹⁰-CR⁹=,~~

R¹ in each case, independently of one another, denotes alkyl having 1-10 C atoms or -(CH₂)-R¹¹,

~~R²R³-R⁶~~ denote hydrogen or alkyl having 1-10 C atoms,

~~R⁷-R⁹~~ denote hydrogen, alkyl having 1-10 C atoms or aryl,

~~R¹⁰~~ denotes alkyl having 2-8 C atoms or (CH₂)-R¹¹;

R¹¹ denotes perfluorinated or partially fluorinated alkyl having 1-8 C atoms; and

R^F denotes perfluorinated alkyl having 2-8 C atoms; and

~~aryl~~ denotes phenyl, perfluorinated phenyl, or phenyl or perfluorinated phenyl which is substituted by alkyl having 1-8 C atoms,

~~where the compounds~~

~~1-methyl-3-ethylimidazolium pentafluoroethyltrifluoroborate, 1-methyl-3-~~

~~ethylimidazolium (n-heptafluoropropyl)trifluoroborate and 1-methyl-3-~~

~~ethylimidazolium (n-nonafluorobutyl)trifluoroborate are excluded.~~

2. (Canceled)

3. (Currently Amended) ~~Compounds~~ Compounds according to Claim 1, ~~wherein~~ characterised in that the substituents R¹ are different.

4. (Canceled)

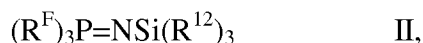
5. (Canceled)

6. (Canceled)

7. (Currently Amended) ~~Compounds~~ A compound according to claim 1, ~~characterised in that~~ wherein R^F denotes perfluoroethyl, perfluoropropyl or perfluorobutyl.

8. (Currently Amended) ~~Compounds~~ A compound according to Claim 1 which is:
N-methyl-N-butylpyrrolidinium pentafluoroethyltrifluoroborate,
N-methyl-N-hexylpyrrolidinium pentafluoroethyltrifluoroborate, or
N-methyl-N-octylpyrrolidinium pentafluoroethyltrifluoroborate,
~~1-methyl-3-butylimidazolium pentafluoroethyltrifluoroborate,~~
~~1-methyl-3-hexylimidazolium pentafluoroethyltrifluoroborate,~~
~~or 1,2-dimethyl-3-butylimidazolium pentafluoroethyltrifluoroborate.~~

9. (Currently Amended) ~~Process~~ A process for the preparation of a
~~compounds~~ compound according to claim 1, ~~characterised in that~~
~~in the first step, comprising reacting~~ a compound of the formula II



in which

R^F in each case, independently of one another, denotes perfluorinated alkyl having 2-8 C atoms, and

R¹² in each case, independently of one another, denotes alkyl having 1-8 C atoms, alkoxy having 1-8 C atoms, cycloalkyl having 3-7 C atoms, halogen or aryl,

~~is reacted~~ with a fluoride of the formula III



in which

M is ammonium, alkali metal or alkaline earth metal or a metal from group 11 or 12,

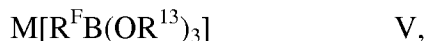
and a boric acid ester of the formula IV



in which

R¹³ in each case, independently of one another, denotes alkyl having 1-8 C atoms or aryl,

and ~~the reacting~~ a resultant salt of the formula V



in which M, R^F and R¹³ have one of the above-mentioned meanings,

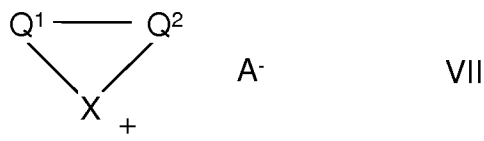
~~is reacted, in the second step,~~ with HF,

and ~~the reacting~~ a resultant salt of the formula VI



in which R^F is as defined above,

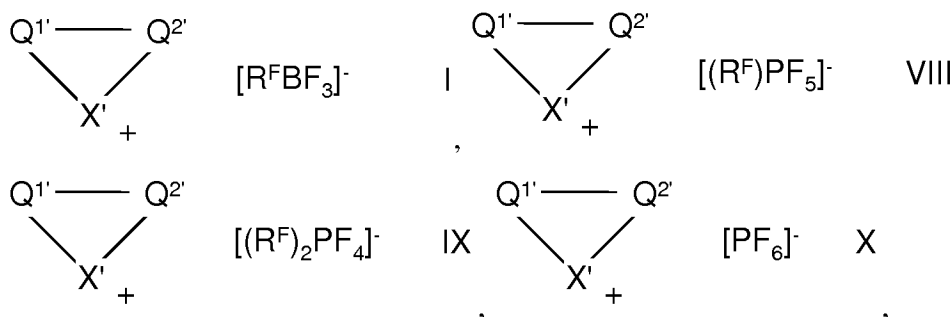
~~is reacted, in the third step,~~ with a compound of the formula VII



in which X and -Q¹-Q²- are as defined for the formula I in ~~Claim~~ Claims 1 to 6, and

A⁻ denotes alkylsulfate, alkylsulfonate, trifluoromethanesulfonate, tetrafluoroborate, acetate, trifluoroacetate, bis(perfluoroalkyl)phosphinate, F⁻, HF₂⁻, Cl⁻, Br⁻ or I⁻.

10. (Currently Amended) ~~A mixture~~ Mixture of the salts at least one salt of the formula I with at least one salt of the formulae VIII, IX and X.



where

X, $-Q^1-Q^2-$ and R^F have the meaning indicated in Claim 1,

X' is NR^1 or $N(R^1)_2$,

Q^1-Q^2- denotes $-CHR^3-CHR^4-CHR^5-CHR^6-$,

$-CR^2=CR^3-CR^4=CR^5-CR^6=$ or

$-CR^7=CR^8-NR^{10}-CR^9=$,

R^2-R^6 denote hydrogen or alkyl having 1-10 C atoms,

R^7-R^9 denote hydrogen, alkyl having 1-10 C atoms or aryl,

R^{10} denotes alkyl having 2-8 C atoms or $-(CH_2)-R^{11}$, aryl

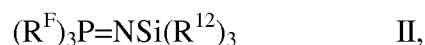
denotes phenyl, perfluorinated phenyl, or phenyl or perfluorinated phenyl which is substituted by alkyl having 1-8 C atoms.

11. (Currently Amended) ~~Mixture~~ A mixture according to Claim 10, characterised in that it ~~comprises~~ comprising 50-75 mol% of compounds of the formula I and 25-50 mol% of compounds of the formulae VIII, IX and/or X, where X, $-Q^1-Q^2-$ and R^F denotes perfluorinated alkyl having 2-8 C atoms.

12. (Currently Amended) ~~Use of the compounds according to Claim 1 as~~ An ionic liquid containing a compound according to Claim 1.

13. (Canceled)

14. (Currently Amended) ~~A compound~~Compounds of the formula II



in which

R^F in each case, independently of one another, denotes perfluorinated alkyl having 1-8 C atoms, and

R^{12} in each case, independently of one another, denotes alkyl having 1-8 C atoms, alkoxy having 1-8 C atoms, cycloalkyl having 3-7 C atoms, halogen or aryl.

15. (Currently Amended) ~~A compound~~Compounds according to Claim 14,

~~characterised in that~~wherein R^F denotes perfluorinated C_1 - C_4 -alkyl.

16. (Currently Amended) ~~A compound~~Compounds according to Claim 14,

~~characterised in that~~wherein all three substituents R^F are identical.

17. (Currently Amended) ~~A compound~~Compounds according to Claim 14,

~~characterised in that~~wherein R^{12} in each case, independently of one another, denotes alkyl having 1-8 C atoms.

18. (Canceled)